BRUHATH BANGALORE MAHANAGARA PALIKE

SCHEDULE - B

Name of Work : Detailed Estimate for Improvements to Main & Cross roads in Shastri Layout at Abbigere, in ward no. 12 , in shettyhalli Sub-Division

Sl. No	Description	Unit	Qty	Approved Rates	
				In Figs	In Words
1	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. – do – Hard soil	Cum	1257.82	90.72	Rupees ninety and seventy two paise only
2	Providing and filling sand in foundation upto plinth to required depth for sub soil treatement including watering ramming with all lead and lift complete as per specifications	Cum	132.08	1760.40	Rupees one thousand seven hundred and sixty and forty paise only
3	Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, omplete as per specifications. A. Plant Mix Method. For Grading I Material	Cum	546.36	1060.56	Rupees one thousand sixty and fifty six paise only
4	Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	728.48	1121.04	Rupees One thousand one hundred and twenty one and zero four paise only
5	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	3642.40	44.28	Rupees forty four and twenty eight paise only

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6	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	1423.70	2.59	Rupees two and fifty nine paise only
7	Tack Coat:- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechancial broom. complete as per specifications. Using Bitumen Emulsiion	Sqm	1423.70	17.93	Rupees seventeen and ninety three paise only
8	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 /75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack coat with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications.With 80/100 grade bitumen	Cum	28.04	6733.80	Rupees six thousand seven hundred thirty three and eighty paise only
9	Providing and laying bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications.30-45mm compacted thickness (Grading II) with 6% Bitumen 60/70	Cum	163.43	11284.92	Rupees Eleven thousand two hundred eighty four and ninety two paise only
10	Carriage of mixed materials 10kms for item of sl. No. (1) Rs. 5.20 per cum/km	Cum	191.47	56.16	Rupees fifty six and sixteen paise only

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11	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications	Sqm	266.00	471.96	Rupees four hundred seventy one and ninety six paise only
12	Disposal of debries to the final place of disposal with all lead and lift and as direction by the Engineer in charge of the work, lead 10 Kms a) Basic rate for haulage of materials as per item No.17.4 etc Rs. 2.00 Tonne/km b) Average earth of work 1.28 Tonne/km for Rs. 2.00/km. c) Add loading and unloading	Cum	1257.82	72.71	Rupees Seventy two and seventy one paise only

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